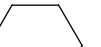
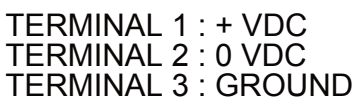


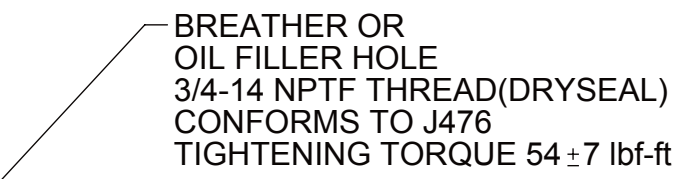
- NOTES:**
- A. MANUAL OVERRIDE VALVE OPERATION
 1. THE MANUAL OVERRIDE BUTTON MUST BE IN THE NEUTRAL POSITION TO OPERATE THE SOLENOID ELECTRICALLY.
 2. TO ENGAGE CLUTCH USING THE MANUAL OVERRIDE:
 - a. REMOVE PROTECTIVE CAP FROM THE SOLENOID
 - b. PUSH BUTTON DOWN
 - c. CONTINUE TO PUSH BUTTON AND ROTATE CLOCKWISE "180°"
 - d. RELEASE BUTTON
 3. TO RETURN THE MANUAL OVERRIDE TO THE NEUTRAL POSITION:
 - a. PUSH BUTTON DOWN
 - b. CONTINUE TO PUSH BUTTON AND ROTATE COUNTERCLOCKWISE "180°"
 - c. INSTALL PROTECTIVE CAP OVER THE MANUAL OVERRIDE BUTTON
 - B. UNLESS OTHERWISE SPECIFIED, FASTENER TORQUE VALUES PER S574 STANDARD
 - C. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND TEMPERATURE ALARM LEVELS
 - D. ALL POINTS AVAILABLE FOR TESTING CODED
- 



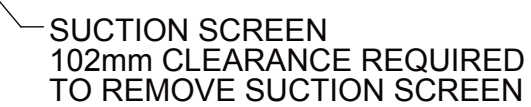
SOLENOID CONNECTOR ISO
DIN 43650 (HIRSHMANN) 24
AMPERAGE DRAW AT 20 °C.
OPTIONAL 12 VDC. SOLENO
AMPERAGE DRAW AT 20 °C
SEE WIRING DIAGRAM FOR
TERMINAL CONNECTIONS.



M16X2.0 THREAD, ∇ 28.5
4 HOLES USE ALL(8) HOLES,
4 PER SIDE FOR MOUNTING.
USE GRADE 8.8 PROPERTY CLASS
CAPSCREWS PER ISO 898-1
AND TORQUE TO S574.



OIL DRAIN PLUG
 1/2-14 NPTF THREAD(DRYSEAL)
 CONFORMS TO J476
 TIGHTENING TORQUE 50 ± 6 lbf-ft
 25.4 mm CLEARANCE REQUIRED
 TO REMOVE PLUG



EQUIPMENT SHOWN:
- HPTO-244 PER PX9450E
- INPUT FLANGE GWB 587.20
- ELECTRIC CONTROL VALVE

FIRST USE ASSEMBLY:
FIRST USE MODEL: HPTO-244
SIMILAR TO:

MET

NOTICE: THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER DEVIATING FROM THE INTENT OF THE TWIN DISC, INC. THIS NOTICE IS NOT INTENDED TO BE GRANTED TO THE U.S. GOVERNMENT.

	THIRD ANGLE PROJECTION	MATERIAL:
	UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS X .X ±0.75 X .X ±0.25 X .XX ±0.13	HEAT TREAT:
ALL ANGULAR TOLERANCES ±1° GEOMETRIC TOLERANCING PER ASME Y14.5M 1994		DESCRIPTION:

INSTALLATION

DATE: 03/26/2014			
SCALE: 1:2	RACINE, WI 53403 - USA		
DRAWN BY: LT	PX13170A		
CHECKED BY: DV			
APPROVED BY: DV	DWG SIZE: A0	SHEET: 1 OF 1	REV: "